	Application No.	Applicant(s)	
Notice of Allowability	10/750,862	YOSHIKAWA ET AL.	
	Examin r	Art Unit	1
	Andy Huynh	2818	m
Th MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this or other appropriate communica GHTS. This application is subje	s application. If not include ation will be mailed in due	ed course. THIS
1. This communication is responsive to	,		
2. X The allowed claim(s) is/are 10-18.			
3. \boxtimes The drawings filed on <u>05 January 2004</u> are accepted by the	e Examiner.		
 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application No	o. <u>10/253,524</u> .	tion from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		eply complying with the rec	quirements
5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			OTICE OF
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the statement sheet(s).	on's Patent Drawing Review (P s Amendment / Comment or in the 84(c)) should be written on the dr	he Office action of awings in the front (not the	back) of
7. DEPOSIT OF and/or INFORMATION about the deposit attached Examiner's comment regarding REQUIREMENT			Note the
 Attachm nt(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 01/05/2004 4. Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. Interview Summ Paper No./Mail 8), 7. Examiner's Ame	Date	
	4)		
	David Nelms		
Supervisory Patent Examiner Technology Center 2800			

DETAILED ACTION

In the Request for filing a Divisional application filed January 5, 2004, Applicant has canceled claims 1-9 is acknowledged. Accordingly, claims 10-18 are pending in this application, which is a divisional of Application Serial No. 10/253,524 filed 09/25/2002, USP No. 6,717,198.

Allowable Subject Matter

Claims 10-18 are allowed.

The following is an examiner's statement of reason for allowance: The prior art of record fails to teach or suggest the limitation recited a method for fabricating a ferroelectric memory including a plurality of ferroelectric capacitors, each of which has a lower electrode, a capacitor dielectric film of a ferroelectric film and an upper electrode successively formed on an interlayer insulating film on a semiconductor substrate, the plurality of ferroelectric capacitors being arranged along a bit line direction and a word line direction, comprising the steps of depositing a first insulating hydrogen barrier film on the interlayer insulating film and the lower electrodes and planarizing the first insulating hydrogen barrier film, whereby filling the first insulating hydrogen barrier film between said lower electrodes of some ferroelectric capacitors, among said plurality of ferroelectric capacitors, that are arranged along one direction out of said word line direction and said bit line direction; and forming, on the common upper electrode, a second insulating hydrogen barrier film covering the common upper electrode as recited in independent claim 10.

Art Unit: 2818

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance".

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andy Huynh whose telephone number is (571) 272-1781. The examiner can normally be reached on Monday-Friday 8:30am-5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Nelms can be reached on (571) 272-1787. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 872-9306 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

ΑH

06/03/04

David Nelms
Supervisory Patent Examiner
Technology Center 2800